

 <p>INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)</p>				Docket Number (Optional) 4555-118US		Application Number 10/620,159		
				Applicant(s) HAPPER et al.				
				Filing Date July 15, 2003		Group Art Unit TBD		
U.S. PATENT DOCUMENTS								
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
<i>RC</i>		4,122,408	10/24/1978	WALLS	331	3		
<i>RC</i>		4,425,653	01/10/1984	CUTLER	372	70		
<i>RC</i>		4,476,445	10/09/1984	RILEY, Jr.	331	3		
<i>RC</i>		5,146,184	09/08/1992	CUTLER	331	3		
<i>RC</i>		4,943,955	07/24/1990	RABIAN et al.	368	156		
<i>RC</i>		5,379,000	01/03/1995	BREWER et al.	331	3		
<i>RC</i>		6,157,261	12/05/2000	AUDOIN et al.	331	3		
<i>RC</i>		5,606,291	02/25/1997	VERBANETS	331	3		
<i>RC</i>		5,642,625	07/01/1997	CATES, Jr et al.	62	55.5		
<i>RC</i>		5,657,340	08/12/1997	CAMPARO et al.	372	69		
<i>RC</i>		5,852,386	12/22/1998	CHANTRY et al.	331	94.1		
FOREIGN PATENT DOCUMENTS								
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
		S. Appelt, A. Ben-Amar Baranga, C.J. Erickson, M.V. Romalis, A.R. Young, and W. Happer, Theory of spin-exchange optical pumping of ³ He and ¹²⁹ Xe, Phys. Rev. A 58, 1412-1439, Issue 2, August 1998.						
		Hyatt M. Gibbs and Robert J. Hull, Spin-Exchange Cross Sections for Rb87-Rb87-Cs133 Collisions, Phys. Rev. 153, 132-151, Issue 1, 5 January 1967.						
EXAMINER <i>Joseph Chang</i>				DATE CONSIDERED <i>11/23/04</i>				
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.								

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Docket Number (Optional)

4555-118US

Application Number

10/620,159

Applicant(s)

HAPPER et al.

Filing Date

July 15, 2003

Group Art Unit

TBD

*EXAMINER
INITIAL

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Ressler, N.W., Sands, R.H., Stark, T.E., Measurement of Spin-Exchange Cross Sections for Cs133, Rb87, Rb85, K39, and Na23, Phys. Rev. 184, 102-118, Issue 1, August 1969

Anderson, L.W and Baird, James C., N14-N15 Hyperfine Anomaly, Phys. Rev. 116, 87-98, Issue 1, October 1959

Srinivasa, K. and Rajeswari, V., Quantum Theory of Angular Momentum: Selected Topics, Published by Springer-Verlag and Narosa Publishing House (1993)

Appelt, S, Ben-Amar Baranga, Young, A. R., Happer, W., Light narrowing of rubidium magnetic-resonance lines in high-pressure optical-pumping cells, Physical Review A, Volume 59, Number 3, pp. 2078-2084.

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.